



P-M

Occidental Pet. Corp #1 Texaco-Navajo
NW/4-NW/4 Sec 6-40N-27E 261
Apache County

sl

COUNTY Apache AREA Toh Atin Mesa LEASE NO. Nav 14-20-063-4355WELL NAME Occidental Petroleum #1 Texaco-NavajoLOCATION NW NW SEC 6 TWP 40N RANGE 27E FOOTAGE 660 FWL 660 FNL
ELEV 5281 GR 5294 KB SPUD DATE 12-27-63 STATUS 2-4-64 TOTAL DEPTH 6795
COMP. DATE

CONTRACTOR

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
10 3/4	397	300 SX	NA	<u>x</u>
				DRILLED BY CABLE TOOL
				PRODUCTIVE RESERVOIR
				INITIAL PRODUCTION <u>Dry</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Chinle	1335		x	Original yellow sheet had two different
DeChelly	2085			sets of top figures. Am strat differs.
Organ Rock	2560			
Hermosa	4172			
Boundary Butte	4924			
Ismay	4948			
Lower Ismay	5015			
Desert Creek	5039			
Akah	5144			
Mississippi	5881			
Elbert	6259			
McGraeken	6530			
Aneth	6620			
Cambrian	6748			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>Am Strat</u>
IE, GRN, Sonic-Caliper	NA	NA	SAMPLE DESCRP. <u>see file</u>
			SAMPLE NO. <u>1245*</u>
			CORE ANALYSIS
			DSTs
			*Tucson 1688

REMARKS This well plugged as follows. 6300-6200, 5900-5800, 4250-4100, 2350-2200. No plugs above this point. Capped for use as possible water well.
PLUGGING REP. x
COMP. REPORT x

WATER WELL ACCEPTED BY

BOND CO. Travelers Indemnity Company BOND NO. 114 46 79
BOND AMT. \$ 2,500 CANCELLED 12-28-64 DATE 12-28-64 ORGANIZATION REPORT x
FILING RECEIPT 9360 LOC. PLAT x WELL BOOK x PLAT BOOK x
API NO. 261 DATE ISSUED 12-27-63 DEDICATION S/2 NW/4

PERMIT NUMBER

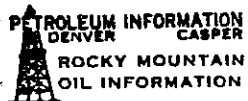
(over)

NO.	FROM	TO	RESULTS
1	5925	5945	Open 5 min. Initial shut-in 30 min. 2004# Open 90 min.
			I. flow: 134# FF: 1064# Final shut-in 30 min. 1902#
			IH 2942 Rec 180' WCM, 1060' Sli MC to clear SW. Water
			was gassy, no odor.

[illegible][illegible]

REF ID: A60122

ARIZONA 261
APACHE CO.
WILDCAT (W)



Twp 40n-27e
Section 6
nw nw
660 s/n 660 e/w

OPR: Occidental Pet.

WELL #: 1 Texaco-Navajo

ELEV: 5291 KB.

DSTS. & CORES:

SPUD: 12-27-63

COMPL: 2-5-64

TOPS: xlog: Sample.

No cores.

TD: 6795

PB:

CSG: 10-3/4" @ 397 w/300

DeChelly 2078
Organ Rock 2556
Akah 5149

DST 5925-45, SI 30
mins, open 1 1/2 hrs, SI
30 mins, rec 1240 GC
brackish muddy wtr,
FP 134-1064#, SIP
2004-1902#.

PERF:

Log Tops:
Hermosa 4170
Mississippian 5881
McCracken 6530
Aneth 6620
Cambrian 6763

BROD. ZONE:

INIT. PROD: D & A.

Contr: Arapahoe.

Ariz. 3-468120

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

DESCRIPTION OF WELL AND LEASE

Operator Occidental Petroleum Corporation		Address 824 Patterson Bldg., Denver, Colorado	
Lease Name Navajo		Well Number 1	Field & Reservoir Wildcat
Location 660/N, 660/W Section 6, T40N, R27E		Sec.—TWP-Range or Block & Survey	
County Apache	Permit number 261	Date Issued 12/27/63	Previous permit number
Date spudded 12/27/63	Date total depth reached 2/4/64 D & A	Date completed, ready to produce	Elevation (DF, RKB, RT or Gr.) 5294 KB feet
Total depth 6795 D & A	P.B.T.D.	Single, dual or triple completion?	Elevation of casing hd. flange feet
Producing interval (s) for this completion none		Rotary tools used (interval) surface to 6795 TD	Cable tools used (interval)
Was this well directionally drilled? no	Was directional survey made? no	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (check logs filed with the commission) Induction, Gamma ray-neutron, sonic-caliper			Date filed

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
surface	17 3/4"	10 3/4"	32.75	397	300	none

TUBING RECORD

Size in.	Depth set ft.	Packer set at ft.

LINER RECORD

Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

Number per ft.	Size & type	Depth Interval

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Am't. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)
Date of test	Hrs. tested
Choke size	Oil prod. during test bbls.
Gas prod. during test MCF	Water prod. during test bbls.
Tubing pressure	Casing pressure
Cal'd rate of Production per 24 hrs.	Oil bbls.
Gas MCF	Water bbls.
Gas-oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **Division Geologist** of the **Occidental Petroleum Corp.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date **February 20, 1964** Signature *Charles J. Hansen*

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Samples start at 1000' in Wingate		1335	Shale
Chinle	1335	2085	Shale
De Chelly	2085	2560	Sandstone
Organ Rock	2560	4172	Shale & Siltstone
Hermosa	4172	5015	Limestone & shale
Lower Ismay	5015	5144	Limestone
Akah	5144	5793	Limestone
Molas	5793	5881	Shale and sandstone
Mississippian	5881	6259	Limestone
Elbert	6259	6530	Dolomite
McCracken	6530	6620	Sandstone
Aneth	6620	6748	Dolomite
Cambrian	6748	6795 TD	Shale
			DST #1 5925-5945
			Initial shut-in 30 min. 2004#
			Open 90 min. 134-1094#
			Final shut-in 30 min. 1902#
			Hydrostatic 2942#
			Recovered 1240' of brackish muddy water

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. P-7

OCCIDENTAL PETROLEUM CORP.
#1 Texaco - Navajo
NW NW Section 6, T. 40 N., R. 27 E.
Elevation - Gr 5281 Kh 5294

Commenced Drilling	December 27, 1963
Completed Drilling	February 4, 1964
Results	Dry Hole
Total Depth Driller	6795
Total Depth Schlumberger	6792
Casing	10 3/4" at 396' with 300 sacks cement, 3% calcium chloride.
Hole Size	9" 396' to 6549' 8 3/4" 6549 to 6795
Contractor	Arapahoe Drilling Company, Pushers - Joe Christesson and Doyle Castle.

Baroid Mud Logging - Mud gas detector on at 3500'. Normal two man operation with mud gas detector and chromatograph 4000' to 6795. Motor driven gas trap.

Although the mud viscosity varied while drilling from 5945 to 6795, the only high viscosity which could decrease gas detector readings significantly was from 6750 to 6795.

The diesel base mud had the following effect on the mud logging unit. Mud gas detector - no methane background, five units of background on total gas. Chromatograph - Methane (C₁) 150 PPM average, ethane (C₂) no reading, propane (C₃) 100 PPM average, butane (C₄) 5,000 PPM average, Heavies (C₅+) 6,000 PPM average.

All lime samples appeared to have a slightly more yellowish fluorescence than non oil base drilled cuttings. This dull fluorescence was characteristic of all limes and did not yield cuts.

5945 to total depth a non oil base mud was used.

Mud Comments - Mud Contractor Milwhite.

4000 to 4900 a weight of 9.5 and a viscosity of 40 or less was maintained. Sample quality was poor during this drilling. The contractor was advised to increase the viscosity. 4900 to 5945 a viscosity of 40 to 45 was maintained which significantly improved the sample quality. From 5945 to 6750 the viscosity was generally 45 to 50, 6750 to 6795 viscosity was raised to 65.

No more than 10% number 2 deisel oil was recorded in the mud from 4900 to 5945. No deisel was added to the mud from 5945 to 6795.

Approximately 2,000 barrels of mud was lost plus loss of volume while drilling and making trips. An estimated total of 2500 barrels of mud was lost. 5945 lost 450 barrels of mud, regained circulation with 12 percent lost circulation material. 6100 lost 1400 barrels, regained circulation with 38% lost circulation material. Carried 22% while drilling from 6100 to 6235. Dropped to 12% at 6235 and lost volume. Maintained 18% 6235 to 6506. Maintained 16% 6506 to 6586. Maintained 12% 6586 to 6795. Lost 200 plus barrels at 6549 while rig was shut down for repairs.

When circulation was lost at 6100 an up hole fresh water flow occurred.

Note: Samples were caught in a bucket off the end of the flow line from 5945 to total depth. Although lithologic changes were not sharp, samples were adequate for interpretation.

Note: Hole in drill pipe was detected at approximately 3985 while drilling at 5675. Samples were almost entirely cutler shales and cutler evaporites. The chloride content of the mud also increased.

Cores: No cores

Drill Stem

Tests: One test - DST #1 5925 - 5945 (field data)

Open 5 minutes - weak blow in one minute increased to strong blow in four minutes.

	<u>Top bomb</u>	<u>Bottom bomb</u>
Initial shut in 30 min.	2004	2016
Final shut in 30 min.	1902	1962
Initial flow	134	134
Final flow	1064	1075

	<u>Top bomb</u>	<u>Bottom bomb</u>
Initial Hydrostatic	2942	2964
Final Hydrostatic	2942	2964

Open 1 1/2 hours weak blow immediately,
increased to medium and was strong in ten minutes.

Recovery: 180 feet water cut mud. 1060 feet slightly muddy
to clear salty water. Water was gassy, no odor,
non-inflammable.

Note: Near the end of the test samples of the blow were taken and
checked on the chromatograph for helium. A plastic bottle of water
was displaced under water by the blow and also checked for helium. The
chromatograph was first checked with a one percent helium sample. No
indications of helium were detected from these tests.

Log Program:	Induction - electrical	6792 - 397
	Gamma Ray - Neutron	6792 - 160
	Sonic - Caliper	6792 - 160

<u>FORMATION TOPS:</u>	<u>SAMPLE</u>	<u>LOG</u>	<u>SUB SEA</u>
Chinle	1400	1335	+3959
DeChelly	2078	2085	+3209
Organ Rock	2556	2565	+2729
Hermosa	4170	4172	+1122
Boundary Butte	4930	4924	+ 370
Bluff - Upper Ismay	-	4948	+ 346
Lower Ismay	5015	5015	+ 279
Desert Creek	-	5039	+ 255
Akah	5150	5144	+ 150
Mississippian	5886	5881	- 587
*Elbert	6305	6259	- 965
McCraken	6530	6530	-1236
Aneth	6628	6620	-1326
Cambrian	6750	6748	-1454
Total Depth	6795	6792	-1498

* A 46 foot error was made on the Elbert sample top. Although some
siliceous and slightly argillaceous dolomites and green shales were noted
between 6259 and 6305, no diagnostic sandy dolomite was noted. It appears
that this error was due to a less sandy Elbert and a misjudgment of that
lithology.

Electric Log Interpretation:

<u>Depth</u>	<u>% Porosity</u>	<u>% Water Saturation</u>
6531 - 6549	8.5%	100%
6130 - 6155	16%	80%
6110	5 - 10%	100%
6090 - 6100	16%	80%
5570 - 5580	5 - 8%	80%

Plugged Intervals:

6300 to 6200, 5900 to 5800, 4250 to 4100,
2350 to 2200. The well was capped for
possible water well completion above 2200.

Sample quality was poor to fair. The sample description is therefore basically an interpretive one. Where interpretation was uncertain, samples are either marked as poor or comments are made as to the different lithologies in the sample.

GENERAL FIELD SAMPLE DESCRIPTION
1000 to 2610

1000-1140	Sandstone, orange red, very fine, few medium to coarse sub-round orange grains.
1140-1200	As above - trace red, green and purple shale.
1200-1400	Sandstone, orange red, very fine, silty, some red shale, trace orange dolomite. (Note: Samples 1200-1400 are the same.)
1400-1440	Shale, orange red, fine textured to silty, trace very fine sand; calcareous and dolomitic, some nodular lime.
1440-1450	Limestone, light orange to white, trace very limy hard sand.
1450-1510	Shale, orange red, some nodular limestone.
1510-1560	As above with much pink, orange and white limestone.
1560-1570	As above, streak gray limestone.
1570-1590	As above, decrease pink and orange lime.
1590-1640	As above, increase pink and orange lime.
1640-1660	Sandstone, white, fine, some medium, nodular lime common.
1660-1690	Shale, orange red, lavender, pink nodular lime.
1690-1740	Limestone, lavender with very limy shale.
1740-1750	Shale, red lavender, with lime as above.
1760-1780	Sandstone, coarse, angular chert and quartz.
1780-1820	Shale, purple to red, some green, loose quartz and chert.
1820-1830	As above, increase varicolored chert.
1830-1870	Shale, purple to red, some chert.
1870-1880	As above, trace gray fine silty sand.
1880-1900	Sandstone, light gray green, fine, shaly (VPS).
1900-2000	Shale varicolored, some loose chert, nodular lime common (VPS).
2000-2030	Shale, red, purple, green, nodular lime common, some chert.
2030-2040	As above, trace fine shaly green sand, much chert in sample.
2040-2060	Sandstone green, shaly; streak white medium sand; many quartz and chert fragments.
2060-2080	Siltstone, gray green, some gray green shale; very hard; some red shales; some quartz and chert.
2080-2090	As above, trace brown fine sandstone.
2090-2100	As above, trace loose angular to sub-round white quartz. (TOP DeCHELLY 2078)

2100-2110 Loose coarse sub-angular to sub-round quartz grains abundant

2120-2190 Sandstone, white, medium, with coarse to conglomeratic floating sub angular to sub-round quartz grains, trace pyrite (much loose grains as above).

2190-2230 As above, coarse grains sub-round; trace amber orange coarse grains.

2230-2270 As above, 50-50 white and amber loose grains.

2270-2290 Loose white and some amber sub-round coarse grains.

2290-2410 Loose amber and few white coarse sub-round to round grains.

2410-2550 Sandstone light orange red, fine, with floating coarse amber and white sub-round to round sand grains.

2550-2560 As above, trace purple and red shale.
(TOP ORGAN ROCK 2556)

2560-2570 Sandstone, white, very fine and purple to red shale.

2570-2610 Shale, varicolored (still carrying much loose sand).

GENERAL FIELD SAMPLE DESCRIPTION
3900 to 6795

3900-3910 Shale; maroon, red, some green, trace gray mudstone, limy, nodular lime common.

3910-3920 Sandstone, light greenish white, fine to medium, friable.

3920-3980 Shale, maroon and red with orange red very limy siltstone; trace anhydrite inclusions.

3980-4000 As above; trace red chert; few chips orange to gray limestone.

4000-4050 Shale, orange to red, micaceous, fine textured to silty; stringers very limy orange siltstone.

10-20 Trace lavender gray and maroon shale.

30-40 Trace orange very fine silty limy sand.

40-50 Trace light orange silty shaly lime.

50-60 Siltstone, orange, fine sandy, micaceous, limy and dolomitic.

60-70 As above; with maroon shale.

70-80 Shale, lavender gray (mudstone).

80-4100 Shale, red, maroon; stringers orange very limy siltstone.

4100-4150 Shale, maroon to orange, micaceous, fine textured to silty, calcareous; few stringers, orange, very calcareous siltstone.

10-20 Trace carbonaceous wood; dark gray shale and pyrite.

4150-4170 Shale as above; white coarse to conglomeratic sandstone (clay cement); trace orange to white limestone 1%.

4170-4180 As above; trace light tan sandy lime (2%). V. P.S.
trip at 4156 /
TOP HERMOSA 4170

4180-4190	As above; trace white medium to coarse sand, angular to sub-round.
4190-4200	As above; trace brown to tan silty lime (2%).
4200-4210	Lime, white, very sandy grading to very limy medium to fine poor sorted sand.
4210-4220	As above with red maroon shale.
4220-4260	Shale, varicolored with light orange very limy siltstone. 50-60 Trace brown limy fine sand
4260-4270	As above; limestone, white, very sandy to limy sand.
4270-4320	Shale, maroon to red lavender, light greenish gray; trace dark chert. 80-90 Some loose coarse sand grains. 90-4310 Red brown limy siltstone.
4310-4330	Limestone, white, sandy, trace crenoidal, trace very fine crystalline sucrosic, very poor porosity to tight. (Slight blue yellow fluorescence, no carbon tet. cut.)
4330-4340	Limestone, gray tan, fine sandy, shaly; as above.
4340-4350	As above but becoming more sandy to limy sand.
4350-4360	Siltstone, gray, very limy--much red maroon & green shale.
4360-4370	Sand, gray white, fine to silty, very limy; trace gray silty shale.
4370-4380	As above; increase red shales.
4380-4390	Siltstone gray, some very fine sand, shaly, limy.
4390-4400	Limestone, brown and gray, shaly, silty with siltstone as above.
4400-4420	Sandstone white, fine, very limy, some tan lime
4420-4460	Shale, red, maroon, lavender. 30-40 Trace gray mic shale & gray silty lime. 60-70 Trace gray to white silty lime; trace orange chert.
4470-4480	Shale, red, maroon, lavender.
4480-4490	As above; becoming very limy and silty.
4490-4500	Siltstone maroon to gray, very limy; trace gray brown lime.
4500-4510	Limestone gray white, silty and sandy; siltstone as above.
4510-4530	Siltstone, gray brown, micaceous, shaley, limy; trace brown lime; trace orange chert.
4530-4540	As above, trace gray brown lime, trace brown chert.

4600-4625 Gray to white silty limestone, red and brown chert abundant.

4625-4670 Shale, light gray, maroon, few lime stringers
30 - 60 Limy gray brown siltstone beds.

4670-4685 Gray to tan fine sandy lime; tan chert common; fusulinid.

4685-4695 Shale, gray, silty, limy

4695-4780 Shale, varicolored
10-30 Some loose coarse to conglomeratic sand.
30-35 Trace gray brown lime with brown chert.
60-65 Trace white medium to coarse loose sand.
70-80 Gray lime stringers

4780-4790 Gray white slightly shaly lime

4790-4875 Shales, gray green micaceous, some varicolored with stringers gray brown limestone (VPS)
4840-55 Red chert 2% of sample
4855-65 Brown chert bed 50% of sample

4875-4890 Limestone, brown, slightly sandy fossiliferous, trace gray chert (VPS)

4890-4905 As above with trace gray to gray green silty and sandy micaceous limy shale (VPS)

4905-4915 Shale, dark gray trace orange chert (VPS)

4915-4925 Chert sample, tan; some gray brown lime; trace dark gray shale.

4925-4930 (VPS) Trace chert and gray green shale.

4930-4940 Chert tan; limestone gray to white, dense, trace algae, no porosity; becoming shaly at base.
(TOP ? UPPER ISMA) BOUNDARY BUTTE 4930

4940-4970 Shale, dark gray, dark gray green, some silty, thin. streaks silty shaly gray lime.

4970-4985 Gray to brown silty lime; tan chert; trace sucrosic dolomite; dark gray green shales at top and base

4985-5015 Shales, gray, gray green with stringers dolomitic and limy siltstone; dark gray brown chert at base

5015-5030 Limestone gray to tan, fine crystalline, fossiliferous, tite, no porosity; trace gray brown chert. Few chips with a trace intercrystalline porosity at base. No show.
TOP (LOWER) ISMAY 5015

5030-5035 Dark gray shale, decrease lime.

5035-5045 Limestone, dark brown, fossiliferous, dark gray brown chert common.

5045-5075 Shale, medium dark gray green with interbedded dark gray to light gray lime.
60-65 Trace tight algal and slightly oolitic lime.

5075-5085 Light gray tan lime, fine sandy; trace fine sucrosic with possibly a bit of intercrystalline porosity, no show.

5085-5090 Chert, light blue brown; some gray tan lime.

5090-5100 Shale, medium dark gray with beds gray brown lime; fusulinids; chert as above.

5100-5130 Limestone, tan, white, trace sandy, trace pseudo-oolitic, trace algal; several chips appear to be associated with vuggy porosity, no show.
10-30 Trace chalky and sucrosic - no show.

5130-5150 Shale, dark gray green, streaks dark gray brown lime and silty shale.

5150-5155 Limestone, tan, oocastic, sucrosic, fine to medium crystalline, good vuggy porosity, fair intercrystalline porosity, no stain, no residual stain in vugs, no fluorescence, no cut.
(TOP AKAH - 5150)

5155-5160 Decrease of lime as above; some chalky very fine crystalline with poor intercrystalline porosity.

5160-5190 Limestone, white, light tan, some chalky, very fine crystalline, dense, no porosity.
65-75 Streaks gray to gray green shale
75-80 Becoming fossiliferous, trace white chert
80-85 Streak medium dark gray shale
85-90 Trace white medium sand.

5190-5200 Limestone, tan gray brown, sandy; dark gray and gray green shale, trace tan chert at 5200.

5200-5205 As above with trace tan oolitic lime with little fine intercrystalline porosity.

5205-5210 As above with 5% fine sucrosic white dolomite trace spotty oil stain on several chips, no cut; trace gray green shale.

5210-5215 Shale, medium dark gray; trace white silty lime.

5215-5220 As above with a trace tan sucrosic oolitic dolomite; pin point vuggy porosity, no show.

5220-5225 Limestone, light gray tan, some sandy; blue tan chert abundant.

5225-5240 Shale, gray, gray green with limestone stringers as above.
30-35 Trace loose medium to coarse round sand?

5240-5250 Brown chert; tan to white lime, dense, some fine sucrosic; chert becoming light at base.

5250-5290 Limestone, tan, fine crystalline sucrosic, oolitic, trace pin point porosity, no show; few chips with oocastic porosity at 60 possible slight spotty stain, very poor cut.
60-90 Becoming tite with thin dolomitic streaks and some tan chert.

5290-5325 Shale, gray, gray green, some orange?; some very dark gray to black shale and stringers of dark brown lime.

5325-5335 Limestone, brown, granular, no porosity, trace white soft chalky; increase of shale at base.

5335-5345 Shale, gray green to black, stringers dark brown lime

5345-5355 Limestone, dolomitic, fine sucrosic, some slight oolitic porosity, no show; much shale as above.

5355-5365 Limestone, gray to tan, some chalky, no porosity, several chips with ? spotty stain; tan chert.

5365-5370 Shale and dense gray lime ? (VPS)

5370-5385 Limestone, light gray brown, some oolitic, very fine crystalline, no porosity.
75-80 No sample.

5385-5390 Shale, dark gray green ?

5390-5415 Limestone, tan, very fine crystalline, no porosity, some white soft chalky; some dark gray green shale
5400-05 Streak dark gray green shale
5405-10 Trace pin point porosity, no show
5410-15 Trace chert.

5415-5420 Increase dark shale; several pieces dolomite with very slight show.

5420-5430 Limestone, gray brown, fossiliferous and oolitic, fine crystalline with scattered traces of pin point porosity, no show; dark gray shale at base.

5430-5435 Shale, black

5435-5455 Limestone, gray brown to white, fine crystalline, trace chert, streaks of fine sucrosic lime, no show, tite to poor porosity.

5455-5460 Dolomite, light gray, fine to medium intercrystalline porosity, no shows.

5460-5465 Limestone, tan, slightly fossiliferous and oolitic, trace white chalky; streak gray green shale.

5465-5470 Dolomite, tan, fine to medium intercrystalline porosity, no show.

5470-5475 Shale, dark gray green; some red ?

5475-5490 Limestone, brown, dense, trace dolomite; trace black shale; some tan to white chert and soft white chalky lime

5490-5495 As above with a trace fine sucrosic dolomitic lime

5495-5520 Shale, dark gray green, some reds ?; trace dark gray brown lime.
10-15 Trace black shale
(Note: Samples 5470-5520 may be very poor quality)

5520-5535 Limestone, light brown, very fine crystalline, dense, trace calcite crystals; several chips oolitic vuggy, fine to medium crystalline with good porosity, no show.

5535-5555 Limestone, light gray to tan, fine crystalline, trace pin point porosity, no show; gray green shale plentiful -- possibly interbedded.
50-55 Trace dark brown black crystalline dolomite with dead oil.

5555-5565 Limestone, very light tan, fine to medium crystalline porosity, no show; one chip fine crystalline hard dolomite with slight fluorescence and slight visual stain.

5565-5570 As above with increase gray green shale
(Note: Samples 5570-5620 appear to be poor with much cavings.)

5570-5620 Shale, gray green to dark gray with stringers of tan to gray lime.
75-80 Trace gray anhydrite may be from bottom
85-90 Trace light chert.
95-5600 Trace black shale
5605-10 Trace tan medium crystalline dolomite

5620-5625 Shale as above; trace tan to white lime; trace loose coarse to conglomeratic quartz and chert.

5625-5675 Shale, red maroon, green, trace black; traces of brown to white lime (much caving)
(Note: hole in drill pipe was detected at 3985 + while drilling at 5675. Very poor samples 5620- to 5675.)

5675-5680 As above; increase of dark gray to black shale.

5680-5685 Limestone, medium crystalline, chateetees; much black shale.

5685-5695 Dolomite, tan to white, medium crystalline porosity, no show; white fossiliferous lime at base; gray green shale abundant.

5695-5700 Limestone, dolomitic, tan to white, trace chateetees.

5700-5705 Green sandy shale and white sandy lime; trace tan fine sucrosic oil stained dolomite, fair fluorescence, very slight ? cut

5705-5710 Mixed sample of black to green shale, dark brown to white lime and considerable dark to white chert.

5710-5715 Limestone, gray brown to light tan, trace dolomitic, some with floating medium to coarse round sand grains.

5715-5720 As above, no floating sand; trace red chert; trace green and red shale.

5720-5725 Shale, red and green.

5725-5735 Limestone, white to dark brown; trace yellow and bright red chert; trace loose sand.

5735-5755 Shale, green, maroon, streaks of lavender, loose coarse sand grains; trace lime; trace chert.

5755-5760 As above, increase lime and bright orange to yellow chert.

5760-5770 Shale mixture as above; trace tan to white lime; trace chert; trace loose sand.

5770-5795 As above but no bedded lime, nodular? lime.
80-85 Much orange and yellow chert.
85-90 Increase nodular lime (some lime appears possibly detrital pebbles).

5795-5815 Shale, gray green, green, lavender, flaky; trace chert and lime as above.

5815-5830 Sandstone, orange, very fine, very limy; orange chert.

5830-5865 Shale, varicolored; trace white lime; trace orange chert.
55-60 Thin bed white lime with small fusulinid.

5865-5885 Shale, red brown speckled with green.
75-80 Trace orange chert; trace dense light brown lime.

5885-5890 Limestone, very light tan, trace faint oolitic.
(TOP MISSISSIPPIAN 5886)

5890-5900 As above, increase lime; trace chalky.

5900-5925 Limestone, very light tan to white, faint oolitic, trace crinodal, much white chalky.
10-15 Very poor sample - very little lime.
15-20 Trace coarse crystalline lime, no show.

5925-5945 No returns lost circulation DST #1.

5945-5955 Limestone, cream, oolitic and fossiliferous, some with calcite filled vugs; some soft chalky.

5955-5970 Limestone, tan to white, some very coarse crystalline, intercrystalline and vuggy porosity, no show;
55-60 Few chips brown sucrosic dolomite, appears oil stained, fair fluorescence and cut.
60-70 Some oolitic, some crinoidal lime.

5970-5975 As above, with a few chips brown oil stained dolomite as above.

5975-5985 Limestone, oolitic and crinoidal, medium crystalline, inter-oolitic porosity, some vuggy filled with calcite, no show.

5985-6000 As above, some soft chalky.
5995-00 Trace white chert; chalky increasing.

6000-6005 As above; several chips oolitic dolomite with slight ? oil show.

6005-6055 Limestone, white, chalky, crinoidal, trace oolite shadows.
20-30 Some tan chert.
40-50 Trace white medium to coarse crystalline dolomite.
50-55 Several chips brown sucrosic dolomite with oil stain, poor to no cut.

(Note: Samples 6030 to 6090 are poor.)

6055-6065 Dolomite, tan, medium crystalline, pin point porosity, no fluorescence, no cut.

6065-6070 As above ?

6070-6075	As above with trace crinoidal lime; trace white chert; trace hard dolomite.
6075-6085	Dolomite, white, hard, tight, non porous.
6085-6090	Dolomite as above with brown fine to medium crystalline dolomite, intercrystalline porosity, no fluorescence, no cut.
6090-6100	Nothing from bottom.
6100-6120	No samples, circulation problems and up hole water flow. (Note: Samples 6120 to 6165 very poor with shale and loose sand caving.)
6120-6145	Dolomite, white, medium crystalline, no show.
6145-6155	Trace green waxy shale, trace tan dolomite.
6155-6165	As above, trace coarse crystalline white dolomite.
6165-6195	Dolomite, dark brown, <u>looks like heavy oil stained dolomite</u> , intercrystalline porosity and some good vuggy porosity; no cut, no oil film or residue when heated in acid, no fluorescence of any kind (black), no surface tension; <u>no show</u> .
6195-6210	Dolomite as above; trace coarse crystalline white.
6210-6235	Dolomite, white and brown, medium crystalline, some dense non-porous.
6235-6255	Dolomite, white and brown as above, medium crystalline porosity, no show; trace gray brown dense slightly dolomitic lime at base 6245 to 6255.
6255-6265	Dolomite, steel gray, dense, hard, vitreous, trace dark gray blue chert; trace cream dolomite. (? TOP ? OURAY 6245 ?)
6265-6280	As above, trace green waxy shale; trace green lime; trace fine grained green sand ?
6280-6285	As above, trace gray brown very hard dense siliceous lime.
6285-6300	As above; trace green hard brittle shale.
6300-6305	Trace green very fine crystalline hard slightly shaly siliceous dolomite.
6305-6315	Trace green to white lime with floating round sand grains. (TOP ELBERT 6305)
6315-6330	Dolomite and some lime, green, brown, tan, very hard, some with floating sand grains; trace white coarse siliceous glassy sand; some loose sand (ground up); some green shale.
6330-6340	Dolomite, tan and light gray, hard with some medium crystalline sucrosic, trace porosity, no shows; some dolomitic sand, much loose sand.
6340-6350	Mixture of hard glassy quartz coarse quartz sand, light brown to gray dolomite and light to dark green micaceous shales.
6350-6360	Dolomite tan, hard, few floating sand grains; some very coarse dolomitic and siliceous sand; green waxy and micaceous shale at base.

6360-6365	Sandstone, poor sorted, dolomitic, much loose.
6365-6385	Dolomite, trace lime, light gray green and light tan, hard. 70-75 Trace medium sand with red grains. 80-85 Trace dark gray brown dolomite.
6385-6390	As above, trace gray green and green shale.
6390-6420	Dolomite, light brown, trace green, dense, some fine to medium crystalline, some siliceous. 05-15 Trace sucrosic and medium crystalline with slight porosity, no show.
6420-6435	Dolomite, brown, siliceous, vitreous; trace scattered vuggy, no show.
6435-6465	Dolomite, brown, buff, fine crystalline, dense, hard, some sandy, trace floating coarse grains; trace loose drilled up sand. 55-65 Increase loose sand.
6465-6470	Dolomite, very dark resinous brown to tan, hard and dense to medium crystalline, some tan to gray green shaly dolomite with floating coarse sand; trace dirty orange sand.
6470-6480	Sandstone, white, very coarse, very dolomitic and siliceous; some medium crystalline white to brown dolomite.
6480-6485	Dolomite, white to buff, pale pink, very sandy, trace feldspar coarse grains; some dolomitic sand.
6485-6495	As above, becoming more sandy, trace green shale, trace spotty dead oil, no cut, no fluorescence.
6495-6510	Dolomite, gray, brown, pink, hard, siliceous, some very sandy grading to dolomitic coarse sand.
6510-6520	As above; much white very sandy dolomite, much loose medium sand.
6520-6530	Sandstone, very coarse, siliceous, most loose. (TOP McCracken 6530)
6530-6540	Sandstone, white, tight gray, siliceous, some dolomitic slightly friable; some with trace black residue possibly a very dead oil; much loose sand with secondary crystals. 35-40 Trace rose to red shaly sand with dead oil as above.
6540-6550	Sandstone, white very coarse, much loose, some friable with secondary crystal faces; trace gray shaly fine sand with glauconite, some dead oil.
6550-6560	Sandstone, white medium, angular, some friable with very dead oil.
6560-6570	As above, with red fine slightly shaly sand glauconitic; some pink rose medium sand with glauconite.
6570-6595	Sand, medium, angular, vitreous, siliceous, glauconitic (white and pink rose). 90-95 Some dead oil; some fine sand, very glauconitic.

6595-6605 Sand, light rose, white, medium, angular, glauconite; sand red, poor sorted, shaly, very glauconitic; trace red shale.

6605-6625 Sandstone red, very fine, shaly, glauconitic, some red shale.
20-25 Mostly red dolomitic silty shale.

6625-6630 As above with green red and white hard dolomite.

6630-6635 Dolomite, green, white brown, medium crystalline, hard dense.
(TOP ANETH 6628)

6635-6645 White dolomite as above.
45 - Some hard dense non crystalline.

6645-6655 Dolomite, very light tan, buff, dense, hard, non crystalline.

6655-6665 Dolomite, dense and medium crystalline as above.

6665-6750 Dolomite, very dark resinous brown to black, argillaceous; traces of black shale.

6750-6760 As above; trace lavender and green shale.

6760-6770 Sandstone, light gray green, fine, slightly glauconitic.

6770-6795 Shale, red and yellow speckled, some green.
(TOP CAMBRIAN 6750)

TOTAL DEPTH - 6795.

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

NAME OF COMPANY OR OPERATOR

DATE

OCCIDENTAL PETROLEUM CORPORATION

DECEMBER 23, 1963

Address

City

State

824 PATTERSON BUILDING DENVER 2, COLORADO

DESCRIPTION OF WELL AND LEASE

Name of lease

Well number

Elevation (ground)

NAVAJO TRIBAL 14-20-603-4355- Navajo Texaco ONE

5281

Well location

(give footage from section lines)

Section--township--range or block & survey

660 feet from North line; 660 feet from West line - Sec. 6, T40N, R27E

Field & reservoir (if wildcat, so state)

County

WILDCAT

APACHE

Distance, in miles, and direction from nearest town or post office

Nearest distance from proposed location
to property or lease line:

660

feet

Distance from proposed location to nearest drilling,
completed or applied--for well on the same lease:

NONE

feet

Proposed depth:

6,100 Feet

Rotary or cable tools

Rotary

Approx. date work will start

December 26, 1963

Number of acres in lease:

2,357

Number of wells on lease, including this well,
completed in or drilling to this reservoir:

One

If lease, purchased with one or more
wells drilled, from whom purchased:

Name

Address

Status of bond

Bond executed and forwarded for countersignature

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present
producing zone and expected new producing zone)

Drill 15" hole to approximately 425', set 400' of 10-3/4" 32.75 LB surface casing and
cement to surface. Drill 9" hole from under surface to T. D. of approximately 6,100'.
Operator will evaluate all potentially productive horizons.

Estimated Devonian Top: 5640

* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....Attorney-in-Fact.....of the
Occidental Petroleum Corporation.....(company), and that I am authorized by said company to make this report; and that this
report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

December 23, 1963

Date

Russell A. Pomeroy
Signature RUSSELL A. POMEROY

Permit Number:

261

Approval Date:

Approved By:

Notice: Before sending in this form be sure that you have given
all information requested. Much unnecessary correspond-
ence will thus be avoided.

See instruction on Reverse Side of Form

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Effective Feb. 28, 1962.

READ CAREFULLY AND COMPLY FULLY

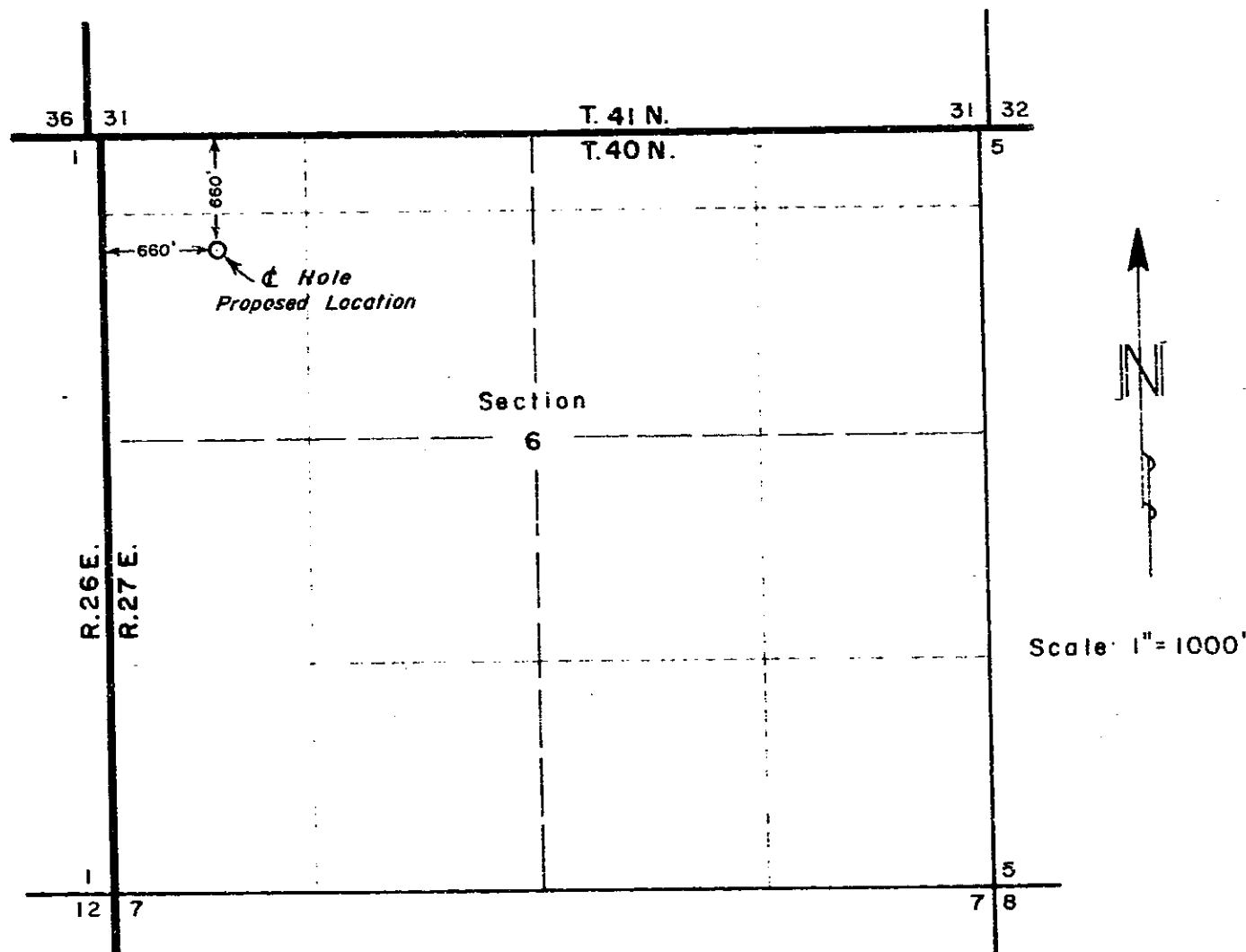
In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depth	Sacks Cement

Form No. P-1

700192 1 118411



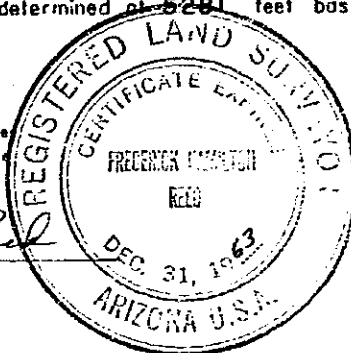
WELL LOCATION: Occidental Petroleum Corp. - #1 Texaco - Navajo

Located 660 feet South of the North line and 660 feet East of the West line of Section 6,
 Township 40 North, Range 27 East, Gila & Salt River Meridian.
 Apache Co., Ariz.
 Existing ground elevation determined at 5281 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Arizona #5313



OCCIDENTAL PETROLEUM CORP.

WELL LOCATION PLAT
 Sec. 6, T.40 N., R.27 E.
 Apache Co., Arizona

E. M. CLARK & ASSOC.
 Durango, Colorado

DATE Dec. 17, 1963
 FILE NO 63079

BOND

KNOW ALL MEN BY THESE PRESENTS

That

we: OCCIDENTAL PETROLEUM CORPORATION

of the _____ in the _____
County of: Los Angeles State of: California

as Principal,

and THE TRAVELERS INDEMNITY COMPANY

of Hartford, Connecticut

AUTHORIZED TO DO BUSINESS WITHIN THE State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

→ No. 1 Navejo-Texaco NW NW Section 6, Township 10N, Range 27 E, Apache County, Ariz.
(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A. R. S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of Two Thousand Five Hundred and No/100 - - - - - (\$2,500.00)

Witness our hands and seals, this 20th day of December, 1963

XXXXXX
XXXXXXXX

OCCIDENTAL PETROLEUM CORPORATION

By: _____

By: Russell A. Romero
Principal
ATTORNEY-IN-FACT

Witness our hands and seals, this 20th day of December, 1963

Arizona Countersignature:
Lo Beardsley - Rec. Asst.

THE TRAVELERS INDEMNITY COMPANY

By: M. J. Saucier
M. J. Saucier, Attorney-in-Fact Surety

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved _____

Date

12-22-63

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION

CANCELLED

The Travelers Indemnity Company
Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

Geil D. Bundy, Lloyd D. Lundy, C. N. Macdonald, James K. McCauley, Jr.,
G. Thomas Parker, M. J. Saucier, all of Denver, Colorado, EACH

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances or other written obligations in the nature thereof, as follows:

Any and all bonds, undertakings, recognizances or other written obligations in the nature thereof not exceeding in amount Two Hundred Thousand Dollars (\$200,000) in any single instance

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed. This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 10. The President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

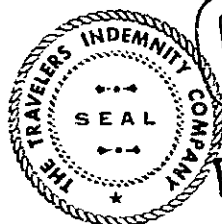
ARTICLE IV, SECTION 12. Any bond, undertaking, recognizance or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, or any Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary, or when signed by the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, or any Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney or certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

This power of attorney revokes that dated July 24, 1961 on behalf of Sallie Carlson, Lloyd D. Lundy, C. N. Macdonald, James K. McCauley, Jr., G. Thomas Parker, C. T. Peterson, John A. Williams

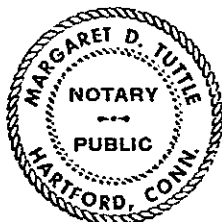
IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 19th day of June 1963



CANCELLED
By *R. W. Kammann*
DATE 12-28-64
Secretary, Fidelity and Surety

State of Connecticut, County of Hartford--ss:

On this 19th day of June in the year 1963 before me personally came R. W. Kammann to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



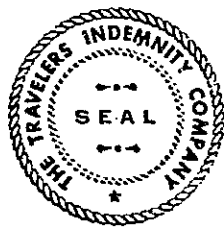
Margaret D. Tuttle
Notary Public

My commission expires April 1, 1964

CERTIFICATION

I, W. A. Person, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 10 and 12 of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been modified or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this 20th day of December 1963.



W. A. Person
Assistant Secretary, Fidelity and Surety

S-1869 (BACK)

THE TRAVELERS

THE TRAVELERS INSURANCE COMPANY - THE TRAVELERS INDEMNITY COMPANY



December 24, 1964

DENVER OFFICE
Cherry Creek Center
101 University Boulevard
DENVER, COLORADO 80206
Telephone: 388-6244

State of Arizona
Oil & Gas Conversation Commission
Phoenix, Arizona

Re: Occidental Petroleum Corporation
Los Angeles, California
Arizona Oil & Gas Well Drilling
Bond No. 1144679
Covering No. 1 Navajo-Texaco
NWNW Section 6, Township 40 N,
Range 27 E, Apache, County, Ariz.

Gentlemen:

Our company executed the captioned \$2,500.00 Arizona Oil & Gas Well Drilling Bond on Occidental Petroleum Corporation effective September 20, 1963.

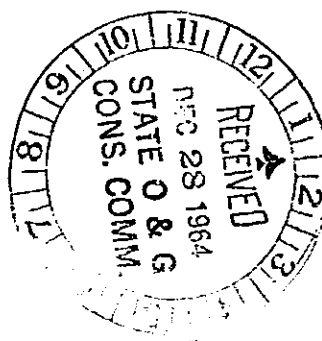
We have been advised by the principal that this well has been plugged and abandoned, and the final papers were filed February 4, 1964. Please confirm that this has been done and also the effective date we may cancel this bond.

I am enclosing a self-stamp addressed envelope for your convenience in replying. Thank you.

Yours very truly,

Courtney Peterson
Courtney T. Peterson

GTP/vp



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HOME OFFICE: HARTFORD, CONNECTICUT



OCCIDENTAL PETROLEUM CORP.
NW/NW 6-40N-27E
APACHE

THE TRAVELERS

THE TRAVELERS INSURANCE COMPANY • THE TRAVELERS INDEMNITY COMPANY

Fidelity & Surety
Bond
Division

DENVER OFFICE
Cherry Creek Center
101 University Boulevard
DENVER 6, COLORADO
Telephone: 388-6244

December 20, 1963

State of Arizona
Oil and Gas Conservation Commission
Phoenix, Arizona

Gentlemen:

Re: Occidental Petroleum Corporation
Los Angeles, California
Bond No. 1114679

Enclosed, herewith, please find the above-numbered bond which has been properly executed, signed and countersigned by a resident agent of the State of Arizona.

We trust it will be acceptable for filing.

Very truly yours,

John A. Singleton
Bond Department

lmb
Enc.

CANCELLED

DATE Dec 28, 1964

JB

NOTE:

BOND IS EXECUTED AND FORWARDED TO
RESIDENT AGENT IN ARIZONA FOR
COUNTERSIGNATURE. WILL BE FORWARDED
TO YOU BY THEM. COPY OF BOND ATTACHED.

10 mi W. To-A-tia

make well file

December 29, 1964

The Travelers Insurance Company
101 University Boulevard
Denver, Colorado 80206

Attention: Mr. Courtney T. Peterson

Re: Occidental Petroleum Corp., Texaco Navajo #1 well
NW/4NW/4 S6-T40N-R27E, Apache County, Arizona
Travelers Indemnity Company Bond 1144679

Gentlemen:

In reply to your letter of December 24, 1964 concerning the caption bond, please be advised that said bond may be canceled immediately and this letter will constitute authority to so cancel.

Occidental Petroleum Corporation has fully complied with the Rules and Regulations.

Yours very truly,

John Bannister
Executive Secretary
mr

cc: Occidental Petroleum Corp.
824 Patterson Bldg.
Denver 2, Colo.
Attn: Mr. E.J. Horan
Division Geologist

261

EXECUTIVE OFFICES:
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:
5000 STOCKDALE HIGHWAY
BAKERSFIELD, CALIFORNIA

OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION
824 PATTERSON BUILDING
DENVER 2, COLORADO

AREA 303
PHONE 129

March 2, 1964

RE: #1 TEXACO-NAVAJO
SECTION 6, T40N, R27E
APACHE COUNTY, ARIZONA

Oil and Conservation Commission
of the State of Arizona
Room 202, 1624 West Adams
Phoenix 7, Arizona

Attention: John K. Petty

Gentlemen:

Enclosed is the original Well Completion Report for the above captioned well. Also enclosed is a sample description per your request. If any further information is required, please do not hesitate to contact this office.

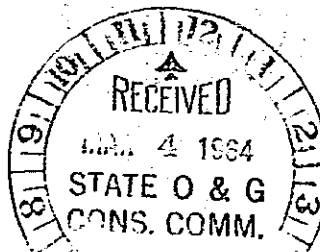
Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Edward J. Horan

Edward J. Horan, Division Geologist
Rocky Mountain Division

cj
enc.



EXECUTIVE OFFICES:
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:
5000 STOCKDALE HIGHWAY
BAKERSFIELD, CALIFORNIA

OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION
824 PATTERSON BUILDING
DENVER 2, COLORADO
AREA OFFICE 303
PHONE 303-729

March 2, 1964

RE: #1 TEXACO-NAVAJO
SECTION 6, T40N, R27E
APACHE COUNTY, ARIZONA

Oil and Conservation Commission
of the State of Arizona
Room 202, 1624 West Adams
Phoenix 7, Arizona

Attention: John K. Petty

Gentlemen:

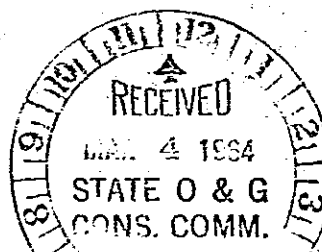
Enclosed is the original Well Completion Report for the above captioned well. Also enclosed is a sample description per your request. If any further information is required, please do not hesitate to contact this office.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Edward J. Horan
Edward J. Horan, Division Geologist
Rocky Mountain Division

cj
enc.



261

XXXXXXXXXXXX
XXXXXXXXXXXX

February 26, 1964

Occidental Petroleum Corporation
824 Patterson Building
Denver, Colorado

Re: #1 Navajo
Section 6 - T40N - R27E, Apache County, Arizona

Gentlemen:

We are in receipt of your Well Completion or Recompletion Report and Well Log form on the above well, and notice that our copy is a duplicate and not the original. If you could conveniently do so, we would appreciate your sending us the original for our files.

On future reports filed with this Commission, we would appreciate your sending us originals rather than carbon copies.

Thank you for your cooperation.

Very truly yours,

John K. Petty
Acting Executive Secretary

JKP:mke

approved
1 Copy encl.

EXECUTIVE OFFICES:
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:
5000 STOCKDALE HIGHWAY
BAKERSFIELD, CALIFORNIA

OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION
824 PATTERSON BUILDING
DENVER 2, COLORADO

AREA CODE 303
PHONE 333-129

February 20, 1964

RE: #1 TEXACO-NAVAJO
C NW NW SECTION 6, T40N, R27E
APACHE COUNTY, ARIZONA

State of Arizona Oil & Gas
Conservation Commission
Capitol Annex Building
Phoenix, Arizona

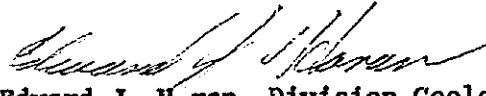
Attention: Mr. Petty

Gentlemen:

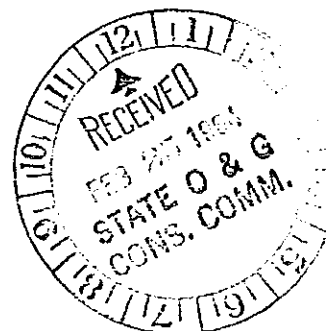
Please find enclosed two copies of the Well Completion Report on the
above mentioned well.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION


Edward J. Horan, Division Geologist
Rocky Mountain Division

cj
enc.



EXECUTIVE OFFICES:
LOS ANGELES, CALIFORNIA

BUSINESS AND ADMINISTRATIVE OFFICES:
5000 STOCKDALE HIGHWAY
BAKERSFIELD, CALIFORNIA

OCCIDENTAL PETROLEUM CORPORATION

ROCKY MOUNTAIN DIVISION
824 PATTERSON BUILDING
DENVER 2, COLORADO
AREA CODE 303
PHONE 298-4129

January 13, 1964

RE: #1 TEXACO-NAVAJO
C NW NW SECTION 6, T40N., R27E
APACHE COUNTY, ARIZONA

Oil and Gas Conservation Commission
State of Arizona
Room 202, 1624 West Adams
Phoenix 7, Arizona

Attention: Mr. John K. Petty

Gentlemen:

Enclosed find two location plats for the above captioned test. If any further information is needed, please advise.

Yours very truly,

OCCIDENTAL PETROLEUM CORPORATION

Edward A. Meany
Edward A. Meany, Division Landman
Rocky Mountain Division

cj
encs.

XXXXXXXXXX
XXXXXXXXXX

December 31, 1963

Mr. Russell A. Pomeroy
Occidental Petroleum Corporation
824 Patterson Building
Denver 2, Colorado

Re: Occidental Petroleum #1 Navajo-Texaco,
Section 6-T40N-R27E, Apache County

Dear Mr. Pomeroy:

Herewith attached find approved copy of Permit to Drill
above project and receipt for \$25.00 fee. Your drilling
bond has been received.

When available, please send a copy of your location plat,
and of course copies of your logs when you run them on
your well.

We of course will appreciate all data you will let us
have on your well; i.e., sample description, core
descriptions, drill stem tests, drilling time.

If there is any vagueness at all in our requirements,
please contact us since there really is nothing unsurmount-
able in any of them.

We do not have any curb at all on production; consequently
an operator can pay his well out in a hurry in Arizona.

Wishing you the best of luck on this and all your other
ventures, I am,

Sincerely,

John E. Petty
Acting Executive Secretary

JKP:mkc
Encl. 2

December 26, 1963

Mr. R. Keith Walden, Chairman
Oil and Gas Conservation Commission
P. O. Box 1271
Tucson, Arizona

Re: Occidental Petroleum Corporation
Navajo Texaco Well No. One
Section 6-T40N-R27E, Apache County, Arizona

Dear Mr. Walden:

The attached is sent for your approval and signature.
The bond has been applied for, but this permit will not
be issued until the bond is received.

This will be a 6100 Basement Test, 6 miles west of
Pan American #1 Navajo F flowing 50 barrels of oil per
day from the Akah (Pennsylvanian), and 10 miles west
of Texas Pacific Coal & Oil Company's Toh-A-Tin Oil
Field producing from the Mississippian. It is 6 miles
south of the Utah-Arizona state line and 10 miles east
of Texaco's Devonian Walker Creek Field.

It has good Pennsylvanian, Mississippian and Devonian
possibilities as well as a fair chance in the Cambrian.

Sincerely,

John K. Petty
Acting Executive Secretary

JKP:mkc
Encl.

XXXXXXXXXXXX
XXXXXXXXXXXX

December 26, 1963

Mr. Russell A. Pomeroy
Occidental Petroleum Corporation
824 Patterson Building
Denver 2, Colorado

Re: Occidental Petroleum Corporation #1 Navajo Texaco
NW NW Section 6-T40N-R27E, Apache County, Arizona

Dear Mr. Pomeroy:

It is a pleasure to receive your application for Permit to Drill on the above project. It will be processed and returned to you as soon as the bonding paper is received from the bonding company.

Enclosed are some completion forms, and other necessary forms will be forwarded as you wish.

Please send this office a duplicate copy of your reports to U.S.G.S. as you send them in to that Survey, as well as two copies of all logs run. We would appreciate a copy of your sample description.

Please save a regular canvas sample bag of well cuttings at whatever intervals your geologist takes them. When the project is finished, or as you progress with your drilling -- as you wish -- deposit the well cutting samples plainly marked as to operator, well name, depth interval, well number and location with the Four Corners Sample Cut, 641 West Broadway, Farmington, New Mexico. This is for sample cut distributions to members; to furnish a library set at the cut; and three sets for distribution -- one to this Commission, Museum of Northern Arizona at Flagstaff and the Arizona Bureau of Mines at Tucson. The Four Corners Sample Cut will take care of all that; so if you'll turn them in to this organization, it will be appreciated.

Hoping you are extremely successful on this project, I am,

Yours truly,

JOHN K. PETTY
Acting Executive Secretary

JKP:akc
Encl.

Note: Other information furnished by Mr. Meany:
To drill 15 inch hole to approximately 425 feet. Will set 400 feet of
10 3/4 32.75# surface casing. Will drill 9 inch hole from under surface
to a total depth of approximately 6100 feet. Drill to Devonian. ~~XXXXXXXXXX~~
Derrick floor elevation 5281 feet. ~~XXXXXXXXXX~~

Mr. Edward A. Meany - Phone Denver 266-3129

December 19, 1963

Mr. Edward A. Meany
Occidental Petroleum Corp.
824 Patterson Building
Denver 2, Colorado

Re: Occidental - Navajo Texaco #1
NW NW of Section 6-T40N-R27E, Apache County, Arizona
660 feet from North & 660 feet from West Lines

Dear Mr. Meany:

Per your conversation with this office today, enclosed are
the necessary forms for filing for permit to drill above
referenced well, together with our rules and regulations
and a brochure which will probably be of interest to you.

As we advised Mr. Pomeroy by phone in your absence, a bond
in the amount of \$2,500 is necessary for the drilling of
one well, or a bond in the amount of \$10,000 to cover a
number of wells.

We understand you are forwarding to us the federal forms for
information purposes only.

Upon receipt of the completed enclosed forms, we will await
receipt of the bond; and approval will be granted just as
soon as possible.

We would appreciate your furnishing us with samples at five
or ten foot intervals or however your geologist handles it;
however we will write you regarding this at a later date.

Very truly yours,

John K. Petty
Acting Executive Secretary

JKP:MKC
Encl.

OCCIDENTAL PETROLEUM CORPORATION DENVER, COLORADO			DETACH BEFORE DEPOSITING
DATE	DESCRIPTION	AMOUNT	
12/23/63	Well Fee: #1 Navajo Texaco Totacon Prospect nw nw Section 6 Township 40N, Range 27E. Apache County, Arizona.	\$ 25.00	